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COPY MAILED

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JAN 26 2007

OFFICE OF PETITIONS

In re Application of :
Noah E. Robinson :
Application No. 10/707,263 :
Filed: December 2, 2003 :
Attorney Docket No.

ON PETITION

This is a decision on the petition under 37 CFR 1.181(a) to withdraw the holding of abandonment, filed December 6, 2006, to revive the above-identified application.

The petition is **DISMISSED**.

Any request for reconsideration must be submitted within TWO (2) MONTHS from the mail date of this decision. Extension of time under 37 CFR 1.136(a) are permitted. The reconsideration request should include a cover letter entitled "Renewed Petition Under 37 CFR 1.137(a)." This is **not** a final agency action within the meaning of 5 U.S.C § 704.

The above-identified application became abandoned for failure to reply to the non-final Office action mailed February 9, 2006, which set a shortened statutory period for reply of three months from its mailing date. Extensions of the time set for reply were available pursuant to 37 CFR 1.136. No response was received within the allowable period, and the application became abandoned on May 10, 2006. A Notice of Abandonment was mailed on October 16, 2006.

In the instant petition, petitioner maintains that the non-final Office action was never received and that the holding of abandonment should be withdrawn accordingly.

A review of the application file and the Office computer records relative to the subject application file reveals that on February 9, 2006 (the date the non-final Office action was mailed), the address of record was listed as the offices of Berkley Law and Technology Group. Title 37 of the Code of Federal Regulations section 1.33(a) and Section 601.03 provides that the applicant must promptly notify the Office of a change in the correspondence address. The record reflects that a Request for Withdrawal of Attorney and Change of Correspondence Address was filed by Berkley Law and Technology Group on October 3, 2005, but not granted and the correspondence address changed until May 8, 2006. Section 711.03(c)(2) of the Manual of Patent Examining Procedure provides that:

. . . where an application becomes abandoned as a consequence of a change of correspondence address (the Office action being mailed to the old, uncorrected address and failing to reach the applicant in sufficient time to permit a timely reply) an adequate showing that due care was taken to adhere to the requirement of prompt notification . . . of the change of address. . . and must include an adequate showing that a timely notification of the change of address was filed in the application concerned and in a manner reasonably calculated to call attention to the fact that it was a notification of a change of address.

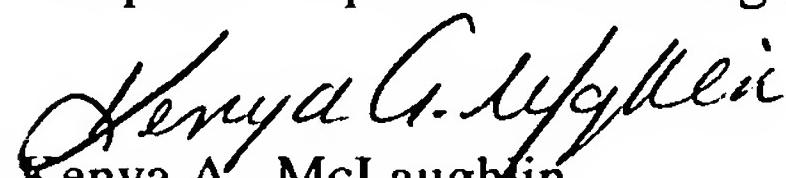
Accordingly, the failure of petitioner to receive the non-final Office action at his address does not warrant a withdrawal of the holding of abandonment because petitioner did not promptly notify the Office of the change of correspondence address for the application. In order for a petition to withdraw the holding of abandonment to be successful under these circumstances, petitioner would have to establish that the non-final Office action was not received at the office of Berkley Law an Technology Group as that was the address properly recognized by the Office as the address of record on the day the non-final Office action was mailed.

Petitioner may wish to consider filing a petition to revive based on unintentional abandonment under 37 CFR 1.137(b) (enclosed). A grantable petition pursuant to 37 CFR 1.137(b) must be accompanied by the required reply, the required petition fee (\$1,500.00 for a large entity and \$750.00 for a verified small entity), and a statement that the **entire** delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to 37 CFR 1.137(b) was unintentional. A copy of the non-final Office action is enclosed for petitioner's convenience.

By mail: Commissioner for Patents
 United States Patent and Trademark Office
 Box 1450
 Alexandria, VA 22313-1450

By facsimile: (571) 273-8300
 Attn: Office of Petitions

Telephone inquiries concerning this decision should be directed to the undersigned (571) 272-3222.


Kenya A. McLaughlin

Petitions Attorney
Office of Petitions

Enclosures : Non-final Office action mailed February 9, 2006
Form PTO/SB/64

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)

First named inventor:

Application No.:

Art Unit:

Filed:

Examiner:

Title:

Attention: Office of Petitions
Mail Stop Petition
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450
 FAX (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (571) 272-3282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus an extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee - required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee

Small entity-fee \$ _____ (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

Other than small entity – fee \$ _____ (37 CFR 1.17(m))

2. Reply and/or fee

- A. The reply and/or fee to the above-noted Office action in the form of _____ (identify type of reply):

has been filed previously on _____.
 is enclosed herewith.

- B. The issue fee and publication fee (if applicable) of \$ _____.

has been paid previously on _____.
 is enclosed herewith.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

3. Terminal disclaimer with disclaimer fee

- Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.
- A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity or \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

Signature

Date

Typed or printed name

Registration Number, if applicable

Address

Telephone Number

Address

Enclosures: Fee Payment Reply Terminal Disclaimer Form Additional sheets containing statements establishing unintentional delay Other: _____**CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]**

I hereby certify that this correspondence is being:

- Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.
- Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (571) 273-8300.

Date

Signature

Typed or printed name of person signing certificate

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,263	12/02/2003	Noah E. Robinson		1262
43831	7590	02/09/2006	EXAMINER	
			LEARY, LOUISE N	
			ART UNIT	PAPER NUMBER
			1655	

DATE MAILED: 02/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/707,263	ROBINSON, NOAH E.
	Examiner Louise N. Leary	Art Unit 1655

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.138(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-6 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-6 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other. _____ |

1. Claims 1-6 are pending in this application.

2. Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-6 are indefinite because the claims have been presented as multiple sentences. Claims 1-6 are ambiguous because it is unclear if the intent was to present each step as a claim.

Claims 1-2 are indefinite because the phrase "The invention of" does not set forth a claim limitation. It is suggested that the phrase be deleted in each claim to comply with US Patent practice.

Claim 1 is indefinite because in lines 4-5, the phrase "atoms or groups or groups of atoms" is ambiguous and appears to contain a typographical error. It is suggested that "or groups" be deleted if the phrase contains a typographical error.

Claims 3, 4 and 5 provides for the use of "the techniques described in claims 1 and/or 2", but, since the claim does not set forth any steps involved in the method/process, it is unclear what method/process applicant is intending to encompass. A claim is indefinite where it merely recites a use without any active, positive steps delimiting how this use is actually practiced.

Claims 3, 4 and 5 are rejected under 35 U.S.C. 101 because the claimed recitation of a use, without setting forth any steps involved in the process, results in an improper definition of a process, i.e., results in a claim which is not a proper process

claim under 35 U.S.C. 101. See for example *Ex parte Dunki*, 153 USPQ 678 (Bd.App. 1967) and *Clinical Products, Ltd. v. Brenner*, 255 F. Supp. 131, 149 USPQ 475 (D.D.C. 1966).

Claims 3-5 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim should refer to other claims in the alternative only. See MPEP § 608.01(n).

Regarding claim 6, the phrase "As an example" renders the claim indefinite because it is unclear whether the limitation(s) following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Correction is required to particularly point out and distinctly claim the subject matter regarded as the invention.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(I). Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Stratton et al (J. of Pharmaceutical Sciences, Vol. 90, No. 12, pp 2141-2148, (December 2001).

Stratton et al disclose a technique for the design of changes in deamidation rates in a model peptide. Stratton et al describe "Controlling Deamidation Rates in a Model

Peptide: Effects of Temperature, Peptide Concentration, and Additives". With respect to the claim limitation "the determination of a table of constants for atoms or groups or groups or groups of atoms", Stratton et al disclose the conformational effect and intramolecular event in the deamidation rate controlling method. See this entire reference. Also, Stratton et al disclose "[Deamidation of asparagines (Asn) residues is probably the most common pathway for chemical inactivation of protein pharmaceuticals^{1,2} The reaction rate for deamidation in aqueous solution is dependent on a number of extrinsic factors, such as pH,³⁻⁶ solvent dielectric,⁷ buffer concentration,⁵ and temperature,⁵ as well as intrinsic factors, such as the primary sequence⁸⁻¹⁰ and the presence of secondary^{2,11,12} and tertiary structure.^{13]}" See page 2141.

(II). Claim 1-2 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Robinson et al (PNAS, Vol. 98, No. 8, pp 4367-4372, (April 2001).

Robinson et al disclose a technique for the design of changes in deamidation rates in a peptide sequences. Robinson et al disclose "Prediction of protein deamidation rates from primary and three-dimensional structure". The method quantitatively estimates "...deamidation of asparaginyl (Asn) residues in proteins...". See the Abstract on page 4367. Regarding the instant "constants for atoms" table limitations, Robinson et al describe structural changes in proteins due to the effects of other molecular compounds. Also, Robinson et al describe hydrogen bonds associated with the proteins. See this entire document. Further, Robinson et al disclose "[Figs. 1-3 serve as a reasonable basis for estimating that Asn deamidation in proteins is, on

average, determined approximately 60% by primary structure and 40% by 3D structure.]” Note page 4371.

(III). Claim 1-2 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Robinson (PNAS, Vol. 99, No. 8, pp 5283-45288, (April 16, 2002).

Robinson discloses a technique for the design of changes in deamidation rates in a peptide sequences. Robinson discloses “Protein deamidation” rates from primary and three-dimensional structure”. The method quantitatively estimates “...deamidation of asparaginyl (Asn) residues in proteins...”. See the Abstract on page 5283. Regarding the instant “constants for atoms” table limitations, Robinson also describe structural changes in proteins due to the effects of other molecular compounds. Robinson et al describes atoms and hydrogen bonds associated with the proteins. See this entire document. In addition, Robinson et al disclose Asn deamidation in proteins and predicts the average determined by primary structure and by 3D structure. Note this entire document.

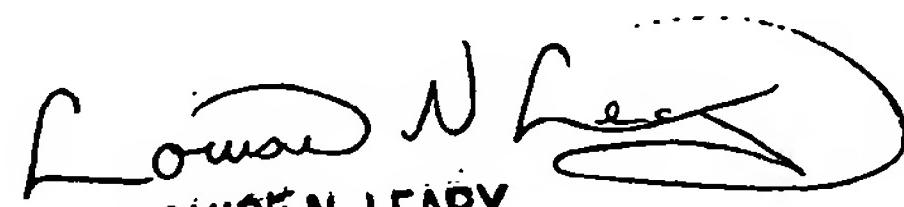
4. Darrington et al disclose “Effects of Insulin Concentration and Self-Association on the Partitioning of It's a-21 Cyclic Anhydride Intermediate to Desamido Insulin and Covalent Dimer” and has been cited to further show the state of this art.

5. No claim is allowed.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Louise N. Leary whose telephone number is 571-272-0966. The examiner can normally be reached on Monday to Friday from 10 to 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terry McKelvey, can be reached on 571-272-0775. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Louise N. Leary
LOUISE N. LEARY
PRIMARY EXAMINER

February 2, 2006